

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) An apparatus for measuring performance of a reception processing device of a television (TV) signal, comprising:
 - a generating section configured to generate and output for generating and outputting a digital TV signal;
 - a noise section configured to generate for generating a predetermined level of noise;
 - a reception processing device configured to perform reception processing on the digital TV signal having added thereto the predetermined level of noise, and to output an analog TV signal corresponding thereto;
 - a converter configured to convert the analog TV signal to a second digital TV signal;
 - a signal comparing section configured to compare for comparing said analog the second digital TV signal corresponding to said digital signal outputted from said generating section, said analog TV signal being added with said noise generated by said noise section and subjected to reception processing by said reception processing device, with said digital TV signal outputted from said generating section between digital signals; and
 - a determining section configured to determine for determining said performance based on a comparison result of said signal comparing section.
2. (Original) The reception performance measuring apparatus according to claim 1, wherein said predetermined level is variably adjusted.
3. (Currently Amended) The reception performance measuring apparatus according to claim 2, wherein said generating section includes a signal modulating portion configured to modulate for modulating generated said generated digital TV signal into an electric wave and outputting the electric wave.
4. (Currently Amended) The reception performance measuring apparatus according to claim 3, wherein said signal comparing section includes a signal converting portion configured to

receive for receiving ~~said~~ analog TV signal after said reception processing, to convert and ~~converting received~~ ~~said~~ analog TV signal into said second ~~digital~~ TV ~~signal~~ for said comparison, and to compare ~~compares~~ ~~said~~ digital TV ~~signal~~ generated by said generating section with said second ~~digital~~ TV ~~signal~~ converted by said signal converting portion.

5. (Currently Amended) The reception performance measuring apparatus according to claim 4, further comprising:

an output portion configured to output ~~for outputting~~ a result of determination executed by said determining section.

6. (Original) The reception performance measuring apparatus according to claim 5, wherein said predetermined level is outputted to said output portion.

7. (Currently Amended) The reception performance measuring apparatus according to claim 1, wherein said generating section includes a signal modulating portion configured to modulate ~~for modulating~~ ~~generated~~ ~~said~~ generated ~~digital~~ TV ~~signal~~ into an electric wave and outputting the electric wave.

8. (Currently Amended) The reception performance measuring apparatus according to claim 1, wherein said signal comparing section includes a signal converting portion configured to receive for receiving ~~said~~ analog TV signal after said reception processing, to convert and ~~converting received~~ ~~said~~ analog TV signal into said digital TV ~~signal~~ for said comparison, and to compare ~~compares~~ ~~said~~ digital TV ~~signal~~ generated by said generating section with said digital TV ~~signal~~ converted by said signal converting portion.

9. (Currently Amended) The reception performance measuring apparatus according to claim 1, further comprising:

an output portion configured to output ~~for outputting~~ a result of determination executed by said determining section.

10. (Original) The reception performance measuring apparatus according to claim 9, wherein said predetermined level is outputted to said output portion.

11. (New) A method for measuring performance of a reception processing device of a television (TV) signal, comprising:

- generating a digital TV signal;
- generating noise of a selected type and level;
- outputting the digital TV signal to a reception processing device;
- outputting the noise to the reception processing device such that the noise is added to the digital TV signal;
- processing the digital TV signal with the noise added to the digital TV signal in the reception processing device;
- outputting an analog TV signal corresponding to the processed digital TV signal with the noise added to the digital TV signal;
- converting the analog TV signal into a second digital TV signal;
- detecting a difference between the digital TV signal and the second digital TV signal.

12. (New) The method of claim 11, further comprising:

- determining a performance of the reception processing device based on the detecting.

13. (New) The method of claim 12, wherein determining comprises:

- determining a bit error rate of the second digital TV signal.

14. (New) The method of claim 12, further comprising:

- adjusting the level of the noise based on the performance.

15. (New) The method of claim 14, further comprising:

- adjusting the type of the noise based on the performance.